		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
LLL	iii	BBB BBB	RRR RRR	TTT	
	!!!		RRR RRR	III	LLL
IIIIIIIIIIIIIIIII	111111111	BBBBBBBBBBBB	RRR RRR	III	rrrrrrrrrrr
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	111111111	888888888888	RRR RRR	III	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL
LLLLLLLLLLLLLL	111111111	BBBBBBBBBBBB	RRR RRR	TTT	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

LI

	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	00000000 00000000000000000000000000000	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	AAAAAAAA
	\$\$\$\$\$\$\$\$\$ \$\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$						

LIE VO

1.1B V03

Page

LIBSCRC_TABLE	Library	CRC table genarator	16-Sep-1984 00:40:16 14-Sep-1984 12:38:28	VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBCRCTAB.B32;1	Page
58 59 61 623 645 645 667 77 77 77 77 77 77 77 77 77 77 77 77	0057 0058 1 0059 1 0060 1 0133 1 0133 1 0133 1 0133 1 0141 014	PROLOGUE FILE: REQUIRE 'RTLIN:LIBPROLOG'; TABLE OF CONTENTS: FORWARD ROUTINE LIBSCRC_TABLE:NOVALUE; MACROS: NONE EQUATED SYMBOLS: NONE OWN STORAGE: NONE EXTERNAL REFERENCES: NONE	! LIB\$ definitions		

LIB VO3

```
LIBSCRC_TABLE
                                                                                                       16-Sep-1984 00:40:16
14-Sep-1984 12:38:28
                                                                                                                                             VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBCRCTAB.B32;1
                         Library CRC table genarator
                                                                                                                                                                                                                (3)
                                                                                                                                                                                                       Page
                         0156
0157
0158
0159
0160
                                                                                            Build a table for the CRC routine
Adr of CRC polynomial input
Adr of where table is to be built
No value is returned
                                      GLOBAL ROUTINE LIBSCRC_TABLE
    POLY,
TABLE)
                                                   :NOVALUE =
                         FUNCTIONAL DESCRIPTION:
                                         The input polynomial is used to produce a table with 16 longword entries which is the proper format to be used by the LIB$CRC routine for calculating the CRC for a data stream.
                                          FORMAL PARAMETERS:
                                                   poly.rl.r
table.wl.ar
                                                                                          input CRC polynomial
                                                                                          Adr of where table of 16 longwords
                                          IMPLICIT INPUTS:
                                                   NONE
                                          IMPLICIT OUTPUTS:
                                                   NONE
                                          ROUTINE VALUE:
                                          COMPLETION CODES:
                                                   NONE
                                         SIDE EFFECTS:
                                                   NONE
                                   222222222223334
                                             BEGIN
                                             MAP
                                                   TABLE: REF VECTOR [16], POLY: REF VECTOR [1];
                                            LOCAL
                                                                                             temporary used as a flag index into the CRC table
                                                   TMP,
                         0198
0199
0200
0201
0202
0203
0204
0205
0206
0207
0208
0209
0210
                                                    INDEX.
                                                                                             iteration index for making each entry
                                             INCR INDEX FROM 0 TO 15 DO
                                                   BEGIN
                                                   TMP = .INDEX:
INCR I FROM 1 TO 4 DO
                                                          BEGIN
                                                         X = .TMP AND 1;

TMP = .TMP<1,31>;

IF .X EQL 1 THEN
                                                                                          ! Equivalent to .TMP ^ -1
                                                                TMP = .TMP XOR .POLY[0]
                                                   TABLEC.INDEX3 = .TMP
                                             RETURN;
```

LIB VO3

	B\$CRC_TABLE 003	Library CRC table genarate 0213 1 END;	or	18	5-Sep-1984 00:4 5-Sep-1984 12:3	0:16 VAX-11 Bliss-32 V4.0-742 8:28 [LIBRTL.SRC]LIBCRCTAB.B32;1	Page 4 (3)	
					.TITLE	LIB\$CRC_TABLE Library CRC table genarator		
	53 52	52 52 52 18 07	04 B	000C 00000 0 D4 00002 0 D0 00004 1 D0 00007 0 EF 0000A 1 EF 0000F 3 D1 00014 4 12 00017 0 CC 00019 4 F3 0001D	PSECT ENTRY CLRL MOVL S: MOVL EXTZV EXTZV CMPL BNEQ XORL2 AOBLEG MOVL AOBLEG	LIB\$CRC_TABLE, Save R2,R3 INDEX INDEX, TMP #1, I #0, #1, TMP, X #1, #31, TMP, TMP X, #1 3\$ apoly, TMP	0156 0210 0202 0203 0205 0206 0207	
:	Routine Size:	DA 08 BC40 50 43 bytes, Routine Bas		F F3 00026 04 0002A	MOVL AOBLEG RET	#4, I, 2\$ TMP, aTABLE[INDEX] #15, INDEX, 1\$	0210	
::	146 147	0214 1 END 0215 0 ELUDOM						
	Name Bytes Attributes							
		Library S	tatistics	Combala				
	File _\$255\$DUA28: _\$255\$DUA28:	[SYSLIB]STARLET.L32;1 [LIBRTL.OBJ]RTLLIB.L32;1	7otal 9776 36	Symbols Loaded Per	cent Mapp 0 581 0 8	ed Time 00:00.7		

LIB VO3

Page (3)

LIB VO3

16-Sep-1984 00:40:16 14-Sep-1984 12:38:28

VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBCRCTAB.B32;1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBCRCTAB/OBJ=OBJ\$:LIBCRCTAB MSRC\$:LIBCRCTAB/UPDATE=(ENH\$:LIBCRCTAB

: Size: 43 code + 0 data bytes
: Run Time: 00:02.3
: Elapsed Time: 00:14.0
: Lines/CPU Min: 5733
: Lexemes/CPU-Min: 10000
: Memory Used: 40 pages
: Compilation Complete

LIBSCRC_TABLE

Library CRC table genarator

*

0204 AH-BT13A-SE

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